

# Brief Curriculum Vitae

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## Dr Jacobus Johannes Bornman Consultant



Doctor Bornman was born in 1957 in Vanderbijlpark, South Africa. After completing his schooling and 2-year military service, he took up studying at the University of Pretoria in 1977 with Chemistry and Soil Science/ Plant Nutrition as major subjects. He completed his BSc Agric and BSc Agric (Hons) degree in 1981 and the MSc Agric. degree in 1985, all in Soil Science and Plant Nutrition. In 1993 he completed a PhD at the same university.

While studying, he worked as research officer, laboratory manager and lecturer at the Department of Soil Science and Plant Nutrition at the University of Pretoria. In 1987 he accepted the position as Research Manager at the FSSA (Fertilizer Society of South Africa), now called FERTASA, a position he held for 2 years. In 1989 he accepted the position of Manager Agronomy Research and Development with AECI's Kynoch Fertilizer (Pty) Ltd. - and was promoted in 1998 to General Manager Marketing Support Services and to Marketing Manager Specialities of Yara South Africa in 2002. In 2006 he was promoted to Executive Officer Marketing: Premium Products for Yara Southern Africa. He joined Omnia Fertilizer, a member of the Omnia Group (Pty) Ltd. in June 2010 as Marketing Manager: Agronomy Services. In 2012 he accepted the position General Manager; Strategic Agricultural Services, heading 5 Departments. In March 2018 he was appointed as General Manager: Solution Development and Marketing, which entails the marketing of solutions in general plant nutrition and agronomy, geospatial farming, sustainability, and speciality fertilizers. He held this position until his recent retirement (March 2022).

During his studies, Dr Bornman specialized in soil chemistry, more specifically lime and phosphorus dynamics. He is the author and co-author of 25 scientific papers, more than 300 research reports, 5 book chapters and more than 1000 semi-scientific publications and formal presentations. He is the holder of

4 medals, 2 each from the FSSA (Fertilizer Society of SA/FERTASA) and the SSSSA (Soil Science Society of South Africa) for research achievements and outstanding papers presented. He was awarded the AECI "Research Fellowship" and was twice nominated finalist as Fertilizer Researcher of the Year (Sub-Saharan Africa) by the International Fertilizer Association. He has received the Cecil Renaud award from the SA Sugar Technologists Society and received the FSSA/FERTASA award for the best scientific publication on plant nutrition (published in Soil Science).

Besides his scientific qualifications, Dr Bornman has credentials in general and financial management, including the Senior Management Program offered by the previous Management School of the University of Pretoria and Financial Management at the University of the Witwatersrand (WITS), which he completed with distinctions. He also completed a comprehensive course on the economics of fertilization presented by the IFDC in the Netherlands.

Dr Bornman is a member of various local and international scientific associations and was a President of the Soil Science Society of SA.

After devoting his career to enhance nutrient use efficiency his quest continues, where his primary focus areas as independent consultant are remote sensing, fertigation, sustainable farming, and bio stimulants.